

Power Board Schematic Diagram(42")

The schematic diagram illustrates a complex power supply system. It begins with a 20174 CN904 transformer connected to a 24V input. The primary winding is connected to a 24V source, and the secondary winding is connected to a 12V source. The output of the transformer is connected to a full-bridge rectifier (BD901) and a filter capacitor (C901). The output of the rectifier is connected to a 7805 (U901) and a 7812 (U902) IC. The schematic includes various components like resistors (R901-R910), capacitors (C901-C910), diodes (D901-D910), and transistors (Q901-Q910). It also shows a 24V input section with a 64841 11P 2.5mm connector and a 12V output section with a 64842 12P 2.5mm connector. The diagram is labeled with various component values and part numbers, and includes a table of component values on the right side.

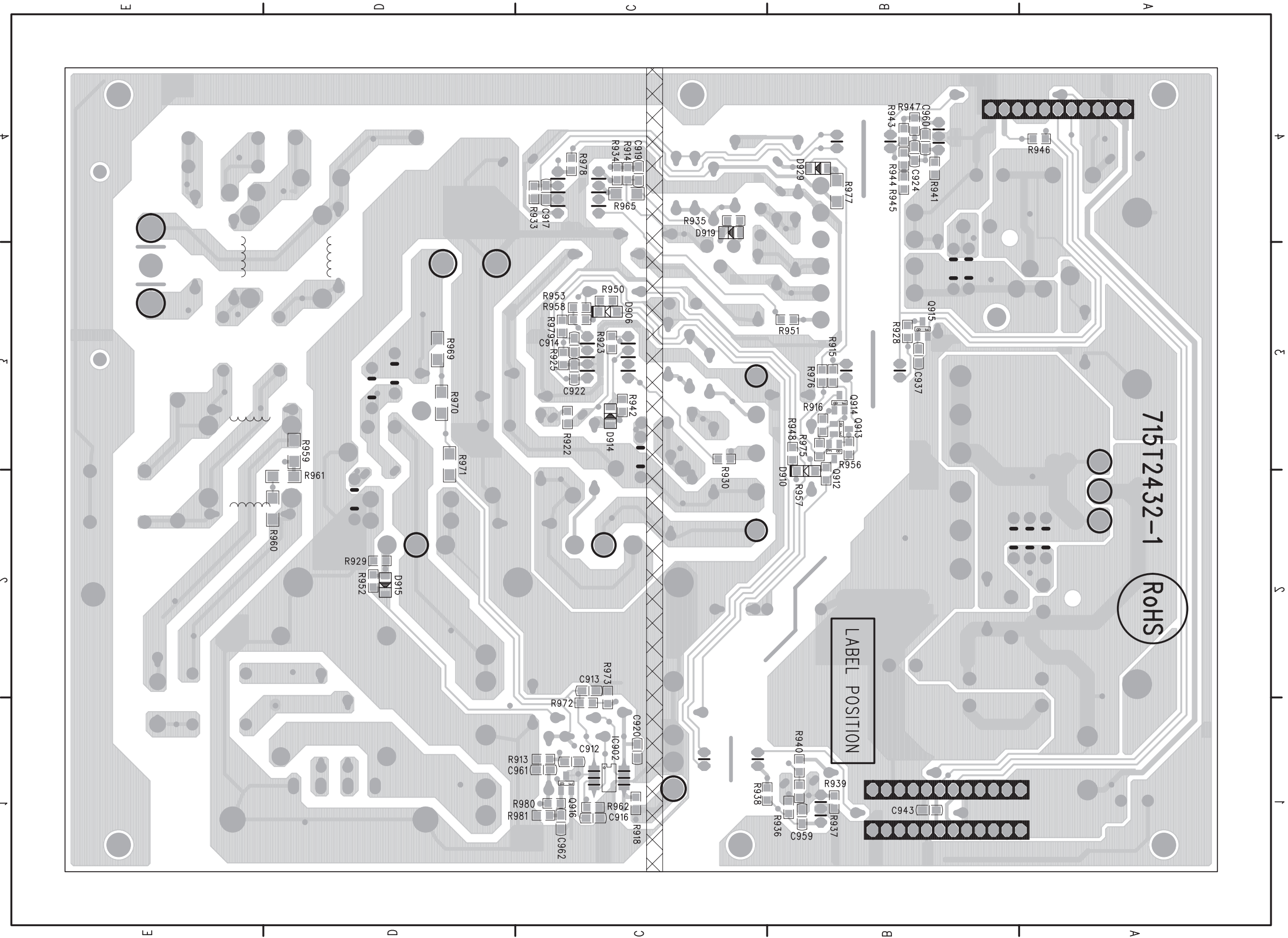
Component	Value	Component	Value
R901	1K	C902	100uF
R902	1K	C903	100uF
R903	1K	C904	100uF
R904	1K	C905	100uF
R905	1K	C906	100uF
R906	1K	C907	100uF
R907	1K	C908	100uF
R908	1K	C909	100uF
R909	1K	C910	100uF
R910	1K	C911	100uF
R911	1K	C912	100uF
R912	1K	C913	100uF
R913	1K	C914	100uF
R914	1K	C915	100uF
R915	1K	C916	100uF
R916	1K	C917	100uF
R917	1K	C918	100uF
R918	1K	C919	100uF
R919	1K	C920	100uF
R920	1K	C921	100uF
R921	1K	C922	100uF
R922	1K	C923	100uF
R923	1K	C924	100uF
R924	1K	C925	100uF
R925	1K	C926	100uF
R926	1K	C927	100uF
R927	1K	C928	100uF
R928	1K	C929	100uF
R929	1K	C930	100uF
R930	1K	C931	100uF
R931	1K	C932	100uF
R932	1K	C933	100uF
R933	1K	C934	100uF
R934	1K	C935	100uF
R935	1K	C936	100uF
R936	1K	C937	100uF
R937	1K	C938	100uF
R938	1K	C939	100uF
R939	1K	C940	100uF
R940	1K	C941	100uF
R941	1K	C942	100uF
R942	1K	C943	100uF
R943	1K	C944	100uF
R944	1K	C945	100uF
R945	1K	C946	100uF
R946	1K	C947	100uF
R947	1K	C948	100uF
R948	1K	C949	100uF
R949	1K	C950	100uF
R950	1K	C951	100uF
R951	1K	C952	100uF
R952	1K	C953	100uF
R953	1K	C954	100uF
R954	1K	C955	100uF
R955	1K	C956	100uF
R956	1K	C957	100uF
R957	1K	C958	100uF
R958	1K	C959	100uF
R959	1K	C960	100uF
R960	1K	C961	100uF
R961	1K	C962	100uF
R962	1K	C963	100uF
R963	1K	C964	100uF
R964	1K	C965	100uF
R965	1K	C966	100uF
R966	1K	C967	100uF
R967	1K	C968	100uF
R968	1K	C969	100uF
R969	1K	C970	100uF
R970	1K	C971	100uF
R971	1K	C972	100uF
R972	1K	C973	100uF
R973	1K	C974	100uF
R974	1K	C975	100uF
R975	1K	C976	100uF
R976	1K	C977	100uF
R977	1K	C978	100uF
R978	1K	C979	100uF
R979	1K	C980	100uF
R980	1K	C981	100uF
R981	1K	C982	

TPM 2.0U LA 53

F8914 A2
F8915 A2
F8917 B2
F8918 C3
F8919 B3
F8920 B3
F8921 D2
F8922 E2
F8923 E1
F8924 D3
F8925 E3
HBD901 D1
HD901 D3
HD922 A3
HD927 A3
HGD901 D2
IC904 C3
IC907 C4
IC909 B3
IC910 C1
IC911 B4
IC912 B1
IC913 B4
L910 A1
L911 A4
L912 E3
L913 D3
L914 C1
L915 C3
L916 C4
Q901 C2
Q902 D2
Q908 C3
R927 D2
R926 D2
R927 C3
R932 C1
R949 C2
R963 C3
R964 C1
R974 C4
RV902 D4
T903 B3
T905 B2
TH902 E4
ZD902 C2
ZD904 C3
ZD906 B4
ZD908 C4

7. Circuit Diagrams and PWB Layouts

Power Board Layout(42")-2



- C912 C1
- C913 C2
- C914 C3
- C916 C1
- C917 C4
- C919 C4
- C920 C1
- C922 C3
- C924 B4
- C937 B3
- C943 B1
- C959 B1
- C960 B4
- C961 C1
- C962 C1
- D906 C3
- D910 B2
- D914 C3
- D915 D2
- D919 C4
- D929 B4
- IC902 C1
- Q912 B3
- Q913 B3
- Q914 B3
- Q915 B3
- Q916 C1
- R913 C1
- R914 C4
- R915 B3
- R916 B3
- R918 C1
- R922 C3
- R923 C3
- R925 C3
- R928 B3
- R929 D2
- R930 C3
- R933 C4
- R934 C4
- R935 C4
- R936 B1
- R937 B1
- R938 B1
- R939 B1
- R940 B1
- R941 B4
- R942 C3
- R943 B4
- R944 B4
- R945 B4
- R946 A4
- R947 B4
- R948 B3
- R950 C3
- R951 B3
- R952 D2
- R953 C3
- R956 B3
- R957 B2
- R958 C3
- R959 D3
- R960 D2
- R961 D2
- R962 C1
- R965 C4
- R969 D3
- R970 D3
- R971 D3
- R972 C1
- R973 C2
- R975 B3
- R976 B3
- R977 B4
- R978 C4
- R979 C3
- R980 C1
- R981 C1